

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2006, 06:10:02 ; Search time 293 Seconds
(without alignments)
5296.284 Million cell updates/sec

Title: US-10-612-379-1

Perfect score: 873

Sequence: 1 atggcagaagcttaccagat.....ccgatgtaattgtcattaa 873

Scoring table: IDENTITY_NUC
Gap 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA.*
1: /cgn2_6/ptodata/1/ina/1_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/H_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/PCUS_COMB.seq.*
7: /cgn2_6/ptodata/1/ina/PP_COMB.seq.*
8: /cgn2_6/ptodata/1/ina/RE_COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	76.4	8.8	1090	3	US-09-270-767-26167
2	76.4	8.8	1880	3	US-09-270-767-10712
3	47.4	5.4	7218	2	US-08-232-463-14
4	46.4	5.3	819	3	US-08-792-014-2
5	46.4	5.3	819	3	US-08-443-948-2
6	46.4	5.3	819	3	US-09-690-196-2
7	43.4	5.0	1652	3	US-09-620-312D-815
8	43.4	5.0	1689	3	US-09-949-016-5780
9	42.8	4.9	2335	3	US-10-104-047-1220
10	41	4.7	1068	3	US-09-710-794-3
11	39.8	4.6	601	3	US-09-949-016-107953
12	39.8	4.6	601	3	US-09-949-016-107954
13	39.8	4.6	390890	3	US-09-949-016-14720
14	39.2	4.5	1529	3	US-09-533-029-49
15	38.4	4.4	1141	3	US-09-806-708B-22
16	38.4	4.4	253345	3	US-09-949-016-12656
17	38.4	4.4	253364	3	US-09-949-016-13639
18	37.8	4.3	832	3	US-09-621-976-2813
19	37	4.2	14066	3	US-09-601-198-56
20	36.8	4.2	1664976	3	US-08-916-421B-1
21	36.8	4.2	1664976	3	US-09-692-570-1
22	36.2	4.1	50000	3	US-09-662-254B-23
23	36	4.1	42381	3	US-09-949-016-12012
24	36	4.1	168394	3	US-09-949-016-13002

ALIGNMENTS

RESULT 1

US-09-270-767-26167

; Sequence 26167, Application US/09270767

; Patent No. 6703491

; GENERAL INFORMATION:

; APPLICANT: Homburger et al.

; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

; FILE REFERENCE: File Reference: 7326-094

; CURRENT APPLICATION NUMBER: US/09/270,767

; CURRENT FILING DATE: 1999-03-17

; NUMBER OF SEQ ID NOS: 62517

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 26167

; LENGTH: 1090

; TYPE: DNA

; ORGANISM: Drosophila melanogaster

US-09-270-767-26167

Query Match 8.8%; Score 76.4; DB 3; Length 1090;

Best Local Similarity 52.5%; Pred. No. 7.2e-13;

Matches 167; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

Qy	495	GCAACTATCCAATATTCATCAGTTGCTATCGAGAGAAATCTCGATATCTACTTGGAAA	554
Db	28	GCATCTCGCAAGATCAACGATCATCTGTCGCGCGCAACACGCGCTTCCTCACCGCGGA	87
Qy	555	CAGTATGACGTGATGACGTGACGTGACGTGACGTGACGTGACGTGACGTGACGTGACGTG	614
Db	88	CACATGTGCTGCTTCGACTGTGAGCTGTGAGCTGTGAGCTGTGAGCTGTGAGCTGTGAGCT	147
Qy	615	ATTGTCACTCTTGGATTTCGATATTCACATAATTTCACTCATCTCTGGGGCTTATATCCT	674
Db	148	CAAGTACTTGTGCACTTTGAATCCCGACGACATTCACGCGCCCTGTGGCGCTACATGTA	207
Qy	675	CAGTGCATACCGTACAGACGATTTATAGAGTTGTCCGCGCCGATCAGGACATATTTCA	734
Db	208	TCACATGTTACGAGTGGACGCTTTCACAAATCGTGCCTGCGCGCCGACGAGCATTTATCA	267
Qy	735	TCATATAAGACAAATGATCTGTTCACAAAATCAAGTGAACCTTCGATCGCCAAAC	794
Db	268	TCACTACAGCTGCAACAGAGTCTCAAAATGAAGACGAGAGCTGGAGAGCGCCCAAC	327
Qy	795	AAAAACCCACACAAATTCCT	812
Db	328	GTTTACCATACATATTC	345

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RESULT 2
US-09-270-767-10712
; Sequence 10712, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 10712
; LENGTH: 1880
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-10712

Query Match      8.8%; Score 76.4; DB 3; Length 1880;
Best Local Similarity 52.5%; Pred. No. 9.1e-13;
Matches 167; Conservative 0; Mismatches 151; Indels 0; Gaps 0;

QY 495 GCAACTATCCAAATATGATGCTATCCGAGAGAAAATCTCGATATCTACTTGGAAA 554
Db 818 GCATCTGGCAGATCAAGATCATCTGTCGGCGGCAACAGCGCTTCTCACCAGCGA 877
QY 555 CAGTATGACTGAATATGACTGTGAAGTATGATGACGCTCTTATCATATTCGAATATTGG 614
Db 878 CACCATGTGCTTTCGACTGTGAGCTGATGCGCGCTGCGAGCACATCCGTGTGGCGG 937
QY 615 ATTGTCATCTTGTGATGATGATATTCACATATTTCACTATCTCTGGGCTTATATCT 674
Db 938 CAACTACTTGTGCACTTTTGAATCCCGACGCACTTGACGGCCCTGTGGCGCTACATGA 997
QY 675 CACTGCATACCGTACAGCAGCATTTATTGAGAGTTGTCCCGCGATCAGGACATTATCA 734
Db 998 TCACATGTACACAGCTGGAGCGCTTACACATCGTCCCGCGGCGGACAGGACATTATCA 1057
QY 735 TCACATTAAGAACAAATGAATCTGTTCACAAATCAAGTGTAAGAACCTCCCAATCCCAAC 794
Db 1058 TCACATACAGCTGCAACAGAGTCTCAAAATGAAGAAGCAGGAGGAGTGAGACGCCAC 1117
QY 795 AAAAAGCGCACAAATCC 812
Db 1118 GTTACCAATACATTC 1135

RESULT 3
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match      5.4%; Score 47.4; DB 2; Length 7218;
Best Local Similarity 7.4%; Pred. No. 0.001;
Matches 27; Conservative 187; Mismatches 153; Indels 0; Gaps 0;

QY 86 ATGTCGCGCGCATTTGAGCCGATCTTTCTGTCAAGAAATCTCGATGAGGATTTGATGCTC 145
Db 1497 ATGTAGGCATCACTGTATTAATACCTATCTATGCAAGTAGTTAAAGAGATAGAAGATTTGG 1438
QY 146 TTTATGAGATTGGAGTTGTCAGAGTCGAGTGAAGTGAAGACTGTCAACGTGAATTTCTGAAGCAT 205
Db 1437 TACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1378
QY 206 TTAAGAAGAACTTCTCGAGCACAAACCCAGATTAATGATTGAAGAGAAAAGAGCTGA 265
Db 1377 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1318
QY 266 CATACACTGATAATCGAGAGATTGAAGACGCGATCTTTCAATTTGGCAAGGAATTCATG 325
Db 1317 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1258
QY 326 TTCCACTCTTTGAAAAGGATCCATCCGCTGAGAAGAGATAGAGAACTTGACAGGAAC 385
Db 1257 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1198
QY 386 TCAAACTGTCTCGAGCAAAAGTAGAGTTGCGATAAGGGAAAAAGGAGCCATCGAGAG 445
Db 1197 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1138
QY 446 TTGAAGA 452
Db 1137 RRRRRRR 1131

RESULT 4
US-08-792-014-2
; Sequence 2, Application US/08792014
; Patent No. 6063594
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA: US/08/792,014
APPLICATION NUMBER: US/08/792,014
FILING DATE: Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PP-0206 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 819 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Consensus
CLONE: Consensus
US-08-792-014-2

Query Match 5.3%; Score 46.4; DB 3; Length 819;
Best Local Similarity 50.0%; Pred. No. 0.00082;
Matches 116; Conservative 0; Mismatches 116; Indels 0; Gaps 0;
QY 540 ATATCTACTTGGAAACAGTATGACTGAATATGACTGTGAACCTGATCCACGCTTTCATCA 599
Db 546 ATTTCTGGATGGCAATGAATGACATTAGCTGATGCAACCTGCTGCCAAACTGCGATAT 605
QY 600 TATTCGAATATTGGATTGTGCACCTTCTTGGATTGCGATATTCACATATTTCACTCATCT 659
Db 606 TGTCAGAGTGGTGCACCAAAATATCGCACTTTGATATTTCAAAAGAAATGACTGGCAT 665
QY 660 CTGGGCTTATCTCTACTGATACCGTACAGCAGCAATTTATTGAGAGTTGTCCCGCGGA 719
Db 666 CTGGAGATACCTAACTAATGATACATACAGTGGGACGGGTTCACCAATACCTGTCCAGTGA 725
QY 720 TCAGGACATTTATTCATCACTATAAGAACAAATGAATCTGTTCACAATCAA 771
Db 726 TAAGGAGGTGGAATAGCATATAGTATGATAGCCAAAGACTCACCAGTAA 777

RESULT 5
US-09-443-948-2
Sequence 2, Application US/09443948
Patent No. 6228616
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/443,948
FILING DATE: 19-No. 6228616-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/792,014
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PP-0206 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 819 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Consensus
CLONE: Consensus
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-443-948-2

Query Match 5.3%; Score 46.4; DB 3; Length 819;
Best Local Similarity 50.0%; Pred. No. 0.00082;
Matches 116; Conservative 0; Mismatches 116; Indels 0; Gaps 0;
QY 540 ATATCTACTTGGAAACAGTATGACTGAATATGACTGTGAACCTGATCCACGCTTTCATCA 599
Db 546 ATTTCTGGATGGCAATGAATGACATTAGCTGATGCAACCTGCTGCCAAACTGCGATAT 605
QY 600 TATTCGAATATTGGATTGTGCACCTTCTTGGATTGCGATATTCACATATTTCACTCATCT 659
Db 606 TGTCAGAGTGGTGCACCAAAATATCGCACTTTGATATTTCAAAAGAAATGACTGGCAT 665
QY 660 CTGGGCTTATCTCTACTGATACCGTACAGCAGCAATTTATTGAGAGTTGTCCCGCGGA 719
Db 666 CTGGAGATACCTAACTAATGATACATACAGTGGGACGGGTTCACCAATACCTGTCCAGTGA 725
QY 720 TCAGGACATTTATTCATCACTATAAGAACAAATGAATCTGTTCACAATCAA 771
Db 726 TAAGGAGGTGGAATAGCATATAGTATGATAGCCAAAGACTCACCAGTAA 777

RESULT 6
US-09-690-196-2
Sequence 2, Application US/09690196
Patent No. 6503733
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
Goli, Surya K.
TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/690,196
FILING DATE: 16-Oct-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: 08/792,014
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0206 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 819 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: Consensus
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-690-196-2

Query Match          5.3%; Score 46.4; DB 3; Length 819;
Best Local Similarity 50.0%; Pred. No. 0,00082;
Matches 116; Conservative 0; Mismatches 116; Indels 0; Gaps 0;

QY 540 ATATCTACTTGGAAACAGTATGACTGGAATATGACTGTGGAACGTGATGCCACGTCTTTCATCA 599
Db 546 ATTTCTGGATGCAATGAAATGACATTAGCTGATTTGCAACCTGCTGCCCAAACTGCATAT 605
QY 600 TATTCGAATTATTTGATTTGTCTCTTTGGATTCGATATTCACATAATTTTCATCTCATCT 659
Db 606 TGTCAGGTGGTGGCCAAAATAATTCGCAACTTTGATATTTTCAAAAGAAATGACTGGCAT 665
QY 660 CTGGCTTATATPCTTCACTGCTACATCCGTACAGCAGCATTTATTGAGAGTTGTCCGCCGA 719
Db 666 CTGGAGATACCTTAACATTAATGATACAGTAGGACGGTTTCCACCAATACCTGTCCAGTGA 725
QY 720 TCAGGACATTAATTCATCATATATAAGAACAAATGAATCTGTTTCAAAATCAA 771
Db 726 TAAGGAGGTGGAATAGCATATAGTGTAGTCCAAAAGAGCTCACCAAGTAA 777
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RESULT 7

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US-09-620-312D-815
; Sequence 815, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunging
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radofe T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP28
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
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; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pc_fl_genes Version 1.0
; SEQ ID NO 815
; LENGTH: 1652
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (232)..(975)
US-09-620-312D-815

Query Match          5.0%; Score 43.4; DB 3; Length 1652;
Best Local Similarity 52.5%; Pred. No. 0.009;
Matches 95; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 549 TGGAAACAGTATGACTGGAATATGACTGTGAACTGATGCCACGTCTTTCATCATATTTCGAAT 608
Db 756 TGGGACCAGCTAACACTGGCTGATTGTAGCTTTTACCCCAAGCTGAACATTTATTAAAGT 815
QY 609 TATTGGATTGTCACTTCTTGGATTTCGATATTCGACATAATTTCACTCATCTCTGGGCTTA 668
Db 816 TGCTGCCAAGAAATATCGTGACTTTGACATTTCCAGCAGAAATTTCCAGGAGTCTGGCGTTA 875
QY 669 TATCCTCACTGATACCGTACAGCAGCATTTATTGAGAGTTTGTCCCGCCGATCAGGACAT 728
Db 876 TCTCCACAATGCTATGCCCGTGAAGAATTTTACCCACACGTGTCTGAGACAAAGAAT 935
QY 729 T 729
Db 936 T 936

RESULT 8
US-09-949-016-5780
; Sequence 5780, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5780
; LENGTH: 1689
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-5780

Query Match          5.0%; Score 43.4; DB 3; Length 1689;
Best Local Similarity 52.5%; Pred. No. 0.0091;
Matches 95; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 549 TGGAAACAGTATGACTGGAATATGACTGTGAACTGATGCCACGTCTTTCATCATATTTCGAAT 608
Db 746 TGGGACCAGCTAACACTGGCTGATTGTAGCTTTTACCCCAAGCTGAACATTTATTAAAGT 805
QY 609 TATTGGATTGTCACTTCTTGGATTTCGATATTCGACATAATTTCACTCATCTCTGGGCTTA 668
Db 806 TGCTGCCAAGAAATATCGTGACTTTGACATTTCCAGCAGAAATTTCCAGGAGTCTGGCGTTA 865
QY 669 TATCCTCACTGATACCGTACAGCAGCATTTATTGAGAGTTTGTCCCGCCGATCAGGACAT 728
Db 866 TCTCCACAATGCTATGCCCGTGAAGAATTTTACCCACACGTGTCTGAGACAAAGAAT 925
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107954
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-107954

Query Match          4.6%; Score 39.8; DB 3; Length 601;
Best Local Similarity 52.0%; Pred. No. 0.072;
Matches 89; Conservative 0; Mismatches 82; Indels 0; Gaps 0;

QY 324 TGTTCACACTCTTTGAAAAGGATCCATCCGCTGAGAGAGATAGAGAACTTGTACAGGAA 383
DB 368 TGTAAAACCTCTGGGAAAAGTAACTTTAAGGAGAAGAAACAAGAAAGACAGTAACAGAAA 427

QY 384 CTTCAAACTGTTCCGCGAGCAAAAGTAGAGTTCCATAGGAGGAAAAGGAGCCATCGAG 443
DB 428 ATACTCTATGTTCCCTGCTGTAATGAACATAATACCTAGGTAGTATTAATTCAGGACAGTCTCA 487

QY 444 AGTTGAAGATCTTCCAGCACACAGATTAAAGTTCACTACATCGAGTCTGTGA 494
DB 488 AGTTTAATAACTTCCAGTCCACATATATGATGTTTCCATCTCTGCTGTGA 538

RESULT 13
US-09-949-016-14720/c
; Sequence 14720, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14720
; LENGTH: 390890
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(390890)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14720

Query Match          4.6%; Score 39.8; DB 3; Length 390890;
Best Local Similarity 52.0%; Pred. No. 1.2;
Matches 89; Conservative 0; Mismatches 82; Indels 0; Gaps 0;
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QY 384 CTTCAAACTGTTCTCGAGCAAAAGTAGAGTTTCGATAGGGAAGGAGGAGCCATCGAG 443
DB 314175 ATACTCTATGTTCTGTGTAATAAAGACTAATACCTAGGTATATAAAATTCAGGACAGTCTCA 314116

QY 444 AGTTGAAGATCTTCCAGCACAGATTAAAGTTTCACTACATCGAGTCTGTGA 494
DB 314115 AGTTTAATAACTTCCAGTCCACATATATGATGTTTCCATCTCTGCTGTGA 314065

RESULT 14
US-09-533-029-49
; Sequence 49, Application US/09533029
; Patent No. 6664446
; GENERAL INFORMATION:
; APPLICANT: Heard, Jacqueline
; APPLICANT: Broun, Pierre
; APPLICANT: Riechmann, Jose-Luis
; APPLICANT: Keddle, James
; APPLICANT: Pineda, Omaira
; APPLICANT: Adam, Luc
; APPLICANT: Samaha, Raymond
; APPLICANT: Zhang, James
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Reuber, Lynne
; TITLE OF INVENTION: DISEASE-INDUCED POLYNUCLEOTIDES
; FILE REFERENCE: MBI-010
; CURRENT APPLICATION NUMBER: US/09/533,029
; CURRENT FILING DATE: 2000-03-22
; EARLIER APPLICATION NUMBER: 60/125,814
; EARLIER FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 49
; LENGTH: 1529
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G553
US-09-533-029-49

Query Match          4.5%; Score 39.2; DB 3; Length 1529;
Best Local Similarity 58.6%; Pred. No. 0.16;
Matches 68; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 150 TGAGATTGCGAGTTGCGAGTCGAGTGAAGTCAAGACTGTCAACGTGAATTTCTGAAGCATTTAA 209
DB 249 TGAGTTGATGCTAGACCAGAGCATGATGAACAATAGAGTGAATTTACTTCTGTGA 308

QY 210 GAAGAACTTTCTCGGAGCAACAACCCAGTATGATTGAAGAGGAAAAGAGCTGA 265
DB 309 TAATAACTCTCTTGAAGCAGAACCCGTCGAGTAATAATGATCAGGACGAAGACCGGA 364

RESULT 15
US-09-806-708B-22
; Sequence 22, Application US/09806708B
; Patent No. 6784342
; GENERAL INFORMATION:
; APPLICANT: The University of British Columbia
; TITLE OF INVENTION: Regulation of Embryonic Transcription in Plants
; FILE REFERENCE: 4810-58741
; CURRENT APPLICATION NUMBER: US/09/806,708B
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: US 60/147,133
; PRIOR FILING DATE: 1999-08-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1141
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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: March 14, 2006, 20:15:22 ; Search time 23 Seconds
(without alignments)
1042.432 Million cell updates/sec

Title: US-10-612-379-7

Perfect score: 1515

Sequence: 1 MAEAYQIQSNGDPQSKFLE.....PEKVLDIRVKGLAPDVNVH 290

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/1/iaa/5 COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/6 COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/H COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/PCUS COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/RE COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	458	30.2	268	2	US-09-270-767-42304
2	272	18.0	120	2	US-09-270-767-57588
3	205.5	13.6	253	2	US-08-792-014-1
4	205.5	13.6	253	2	US-09-443-948-1
5	205.5	13.6	253	2	US-09-690-196-1
6	203.5	13.4	254	2	US-09-949-016-11651
7	198.5	13.1	241	2	US-09-387-372-3
8	198.5	13.1	241	2	US-09-949-016-11014
9	186	12.3	437	1	US-08-781-560-1
10	186	12.3	437	1	US-08-781-560-3
11	186	12.3	437	2	US-08-792-014-3
12	186	12.3	437	2	US-09-443-948-3
13	186	12.3	437	2	US-09-690-196-3
14	171	11.3	175	2	US-10-104-047-3190
15	158	10.4	210	1	US-08-781-560-4
16	158	10.4	210	1	US-08-933-750C-6
17	158	10.4	210	2	US-08-792-014-4
18	158	10.4	210	2	US-09-234-613-6
19	158	10.4	210	2	US-09-443-948-4
20	158	10.4	210	2	US-09-690-196-4
21	117	7.7	214	2	US-10-161-195-5
22	112	7.4	300	2	US-09-248-335-36
23	106.5	7.0	1261	2	US-09-949-016-9651
24	104	6.9	266	2	US-10-161-195-15
25	98.5	6.5	213	2	US-10-161-195-13
26	96	6.3	212	2	US-10-161-195-3
27	95	6.3	278	2	US-08-256-847C-5

28	94.5	6.2	212	2	US-10-161-195-7	Sequence 7, Appli
29	94.5	6.2	843	1	US-08-867-129-2	Sequence 2, Appli
30	94	6.2	432	2	US-09-389-681-181	Sequence 181, App
31	94	6.2	432	2	US-09-620-405B-181	Sequence 181, App
32	94	6.2	432	2	US-09-339-338-181	Sequence 181, App
33	94	6.2	432	2	US-09-433-826B-181	Sequence 181, App
34	94	6.2	432	2	US-09-604-287A-181	Sequence 181, App
35	94	6.2	432	2	US-09-285-480-181	Sequence 181, App
36	94	6.2	432	2	US-09-834-759-181	Sequence 181, App
37	94	6.2	432	2	US-09-590-751A-181	Sequence 181, App
38	94	6.2	432	2	US-09-551-621-181	Sequence 181, App
39	94	6.2	432	2	US-09-551-621A-181	Sequence 181, App
40	94	6.2	432	2	US-10-076-622-181	Sequence 181, App
41	94	6.2	1002	2	US-09-620-405B-475	Sequence 475, App
42	94	6.2	1002	2	US-09-604-287A-475	Sequence 475, App
43	94	6.2	1002	2	US-09-834-759-475	Sequence 475, App
44	94	6.2	1002	2	US-09-590-751A-475	Sequence 475, App
45	94	6.2	1002	2	US-09-551-621-475	Sequence 475, App

ALIGNMENTS

RESULT 1

US-09-270-767-42304
; Sequence 42304, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42304
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-42304

Query Match 30.2%; Score 458; DB 2; Length 268;
Best Local Similarity 40.4%; Pred. No. 4e-40;
Matches 112; Conservative 42; Mismatches 89; Indels 34; Gaps 9;

Qy	3	EAVQIQ-SNGDPO-SKPLLELYKASGIDARRIGADLFCQEFWMELVALYIGVARVEVK	60
Db	13	ESQSQETNGSSKFDVPEIELIKASTIDGRRKGCACLCQEFYFMDLYLLAEKTIISLKV	72
Qy	61	TAVNVNSEA--FKQNFLGAQPPIMIEEKEKLTYYTDNREIEGRIFHLAKEFNVP----	114
Db	73	TVDQKPPDPFRTNFETHPPILI--DNGLAILENEKIER---HMK--NIPGGVNLFPVQ	125
Qy	115	DPAEKEIENLYRNKFLFLRAKVEFDGKKEPSEVDLPAQIKVHYNRVCEQLSNIDOLL	174
Db	126	DKEVATLIENLYVKLLMLL---VKDEAKN-----NALLSHLRKINDHL	166
Qy	175	SERKSYLLGNSTVEYDCELMPRLHRIITGLSLGDFIDPHNFTLHWAYILTAVRTAFI	234
Db	167	SARNTRELTGDTWCCFDCELMPRLQHRVAGKVFVDFEIPHTLTALRYMYHMQLDRAFT	226
Qy	235	ESCPADQDIHHYKQMNLFNQRETILQSPKTKHTIP	271
Db	227	QSCPADQDIHHYKQMNLFNQRETILQSPKTKHTIP	263

RESULT 2

US-09-270-767-57588
; Sequence 57588, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster

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; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57588
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-57588

Query Match      18.0%; Score 272; DB 2; Length 120;
Best Local Similarity 47.7%; Pred. No. 6.2e-21;
Matches 53; Conservative 19; Mismatches 39; Indels 0; Gaps 0;

Qy 161 NRVCQSLNIDQLLSERKSRVLLGNSMTEYDCELMPLRHRIIIGLSLLGDFDIPHNFTL 220
Db 5 NALLSLRKINDHLSARNTRELTGDMCCFCELMPLRQHVRVAGKYFVDEIPTHLTAL 64

Qy 221 WAYILTAYRTAFTIESCPADQDIHHYKEQWNLFTNORETLOSPTKHTTIP 271
Db 65 WRYMYHMYQLDAFTQSCPADQDIHHYKLOQSLKMKKHEELETPPTFTTYP 115

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RESULT 3
US-08-792-014-1
; Sequence 1, Application US/08792014
; Patent No. 6063594
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/792,014
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0206 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 253 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: Consensus
US-08-792-014-1
Query Match      13.6%; Score 205.5; DB 2; Length 253;
Best Local Similarity 24.7%; Pred. No. 2.2e-13;

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RESULT 4
US-09-443-948-1
; Sequence 1, Application US/09443948
; Patent No. 6228616
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/443,948
; FILING DATE: 19-NO. 6228616-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/792,014
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0206 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 253 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Consensus
; CLONE: Consensus
US-09-443-948-1
Query Match      13.6%; Score 205.5; DB 2; Length 253;
Best Local Similarity 24.7%; Pred. No. 2.2e-13;

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Matches 67; Conservative 49; Mismatches 108; Indels 47; Gaps 10;

Qy 1 MAEAYIQSNGDPQSKPLLELYKASGIDARRIGADLFCQEFWMELY---ALYIGVARV 57
Db 1 MALSMPLNGLKEDEKPLIELFVKA-GSDGESICNCPFSQRLFMILMLKGVVFSVTTVDL 59

Qy 58 EVKTVNVNSEAFKKNFLGAOPPMIEBEKELTYYTDNREIE--GRIFHLAKEFNVP--- 110
Db 60 KRKPADLQNLA-----PGTHPPFI-----TFNSEVKTIDVVKIEEFLEEVLCPPKYL 105

Qy 111 -LFEKDPSAEKRIENLYRNFKLFLR-----AKVFEDKG-----KKEPSRVEDLPAQIKV 158
Db 106 KLSPKHPESNTAGNDIIFAKFSAYIKNSRPEANEALERGLLTKLQKLDEYLNSLPDEI-- 163

Qy 159 HYNRVCSQLSNIDQLLSERKSRVLLGNSMTEYDCELMPLRHRIIIGLSLLGDFDIPHNFT 218
Db 164 -----DENSMDIKFSTRK--FLDGNEMTLADCNLLPLKLHIVKVAVKRYNFDISKEMT 215

Qy 219 HLWAYILTAYRTAFTIESCPADQDIHHYKE 249
Db 216 GIWRYLTNAYSRODGTNTCPSDKEVEIAYS 246

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Query Match 13.6%; Score 205.5; DB 2; Length 253;
Best Local Similarity 24.7%; Pred. No. 2.2e-13;

Matches 67; Conservative 49; Mismatches 108; Indels 47; Gaps 10;

Qy 1 MAEAYIQSNGDPOSQKPLELYVKASIGDARRIGADLFCQEFWMELY---ALYBIGVARV 57
Db 1 MALSMPNLGLKEEDKEPLIELFVKA-GSDGESIGNCFFSQRFLMILMLKGWVFSVTTVDL 59

Qy 58 EVKTVNVNSAFKKNFLGAOPPMIEBEKELTYTDNREIE---GRIFHLAKEFNVP--- 110
Db 60 KRKPADLQNLA-----PGTHPPFT-----TFNSEVKTVDNKNIEEFLEEVLCPPKYL 105

Qy 111 -LFEKOPSAEKRIENLYRNPKFLR-----AKVEFDKG-----KKEPSRVEDLPAQIKV 158
Db 106 KLSFKHPESNTAGMDIFAKFSAYIKNSRPEANEALERGLLTKLQKLDYLNPLPDEI-- 163

Qy 159 HYNRVCEQLSNIDQLSERKSYLLGNSMTYDCELMPRLHHIRIIGLSLIGFDIPHNFT 218
Db 164 -----DENSMDIKFSTRK--FLDGNEMTLADCNLLPKLHIVKVAKYRNFDISKEMT 215

Qy 219 HLWAYILTAYRTAAFIESCPCADQDIHHYKE 249
Db 216 GIWRYLTNAYSRDGFTNTCPSPDKEVEIAYSD 246

RESULT 5

US-09-690-196-1

; Sequence 1, Application US/09690196

; Patent No. 6503733

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/690,196

; FILING DATE: 16-Oct-2000

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/792,014

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PP-0206 US

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 253 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: Consensus

; CLONE: Consensus

; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-690-196-1

Query Match 13.6%; Score 205.5; DB 2; Length 253;
Best Local Similarity 24.7%; Pred. No. 2.2e-13;

Matches 67; Conservative 49; Mismatches 108; Indels 47; Gaps 10;

Qy 1 MAEAYIQSNGDPOSQKPLELYVKASIGDARRIGADLFCQEFWMELY---ALYBIGVARV 57
Db 1 MALSMPNLGLKEEDKEPLIELFVKA-GSDGESIGNCFFSQRFLMILMLKGWVFSVTTVDL 59

Qy 58 EVKTVNVNSAFKKNFLGAOPPMIEBEKELTYTDNREIE---GRIFHLAKEFNVP--- 110
Db 60 KRKPADLQNLA-----PGTHPPFT-----TFNSEVKTVDNKNIEEFLEEVLCPPKYL 105

Qy 111 -LFEKOPSAEKRIENLYRNPKFLR-----AKVEFDKG-----KKEPSRVEDLPAQIKV 158
Db 106 KLSFKHPESNTAGMDIFAKFSAYIKNSRPEANEALERGLLTKLQKLDYLNPLPDEI-- 163

Qy 159 HYNRVCEQLSNIDQLSERKSYLLGNSMTYDCELMPRLHHIRIIGLSLIGFDIPHNFT 218
Db 164 -----DENSMDIKFSTRK--FLDGNEMTLADCNLLPKLHIVKVAKYRNFDISKEMT 215

Qy 219 HLWAYILTAYRTAAFIESCPCADQDIHHYKE 249
Db 216 GIWRYLTNAYSRDGFTNTCPSPDKEVEIAYSD 246

RESULT 6

US-09-949-016-11651

; Sequence 11651, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 11651

; LENGTH: 254

; TYPE: PRT

; ORGANISM: Human

US-09-949-016-11651

Query Match 13.4%; Score 203.5; DB 2; Length 254;
Best Local Similarity 28.7%; Pred. No. 3.6e-13;
Matches 74; Conservative 40; Mismatches 93; Indels 51; Gaps 13;

Qy 14 QSKPLELYVKASIGDARRIGADLFCQEFWMELYALYBIGVARVEVKTAVV--NSEAFKK 71
Db 16 QVDPEIELFVKA-GSDGESIGNCFFCQRLFMILW---LKGVPNVTVTDMTRKPEELKD 70

Qy 72 NFLGAOPPMIEBEKELTYTDNREIE-----GRIFHLAKEFNVPLEKOPSAEKRI 122
Db 71 LAPGTNPPFLV-YNKELK-TDFIKIEBEFLQTLAPPYPHLS-----PKYKESF 117

Qy 123 E---NLYRNPKFLR-----AKVEFDKG-KKEPSRVEDLPAQIKVHNVNRCQELSNIDQL 173
Db 118 DVGCNLFKAFSAVYKNTQKANKNFESKLLKEFKRLDD-----YLN--TPLDEIDPO 168

Qy 174 LSER---KSYLLGNSMTYDCELMPRLHHIRIIGLSLIGFDIPHNFTLWAYILTAYR 229
Db 169 SAEPPVSRRLFDGDLTLADCSLLPKLNIIVAAKKYRDFDLPABFSGVRYLHNAYA 228

Qy 230 TAAFIESCPCADQDIHHY 247
Db 229 RESFTHTCPEDKEIENTY 246

Query Match 13.4%; Score 203.5; DB 2; Length 254;
Best Local Similarity 28.7%; Pred. No. 3.6e-13;

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RESULT 7
US-09-387-372-3
; Sequence 3, Application US/09387372A
; Patent No. 6461822
; GENERAL INFORMATION:
; APPLICANT: Gabel, Christopher A.
; APPLICANT: Griffiths, Richard J.
; APPLICANT: Egglar, James F.
; APPLICANT: Campos, Manuel
; APPLICANT: Dombroski, Mark A
; APPLICANT: Geohagan, Kieran
; TITLE OF INVENTION: DIARYLSULFONYLUREA BINDING PROTEINS
; FILE REFERENCE: PC9860
; CURRENT APPLICATION NUMBER: US/09/387.372A
; CURRENT FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-387-372-3

Query Match      13.1%; Score 198.5; DB 2; Length 241;
Best Local Similarity 26.9%; Pred. No. 1.1e-12;
Matches 68; Conservative 49; Mismatches 99; Indels 37; Gaps 11;

Qy 14 QSKPLLELYVKASGIDARRIGADLFCQEFMWELVALYBIGVARVEKTVNV--NSEAFKK 71
Db 3 EEQPOVELFVKA-GSDGAKIGNCPFSQRLFWLWK---GVT-FNVTVDTKRTETVQK 57
Qy 72 NFLGAQPPIMIEBEKELTYTDNREIEGRIFHLAKEFNVPLFEK-----DPSAEKRIENLYR 127
Db 58 LCPGGQLPFLYGTE--VHTDTNKIEE---FLEAVLCPPRYPKLAALNPESNTAGLDIFA 112
Qy 128 NFKLFLR-----AKVEFDKKGKPSRVED-----LPAQIKVHNVRCVCEQLSNIDQLLSE 176
Db 113 KFSAYIKNSPALNDNLEKGLLKALKVLDNYLTSPLPEEV-----DETSAEDEGVQS 164
Qy 177 RKSRYLLGNSMTEYDCELMPRLHRIIGLSLLGFDIPHNFTHLWAYILTYRTAAFIYES 236
Db 165 RK--FLDGNELTLADCNLLPKLHIVQVCKYRGFTIPEAFRGVHRYLSNAYAREEF 222
Qy 237 CPADQDIHHYKE 249
Db 223 CPDDEIEELAYEQ 235

RESULT 8
US-09-949-016-11014
; Sequence 11014, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11014
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11014
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Query Match      13.1%; Score 198.5; DB 2; Length 265;
Best Local Similarity 26.9%; Pred. No. 1.1e-12;
Matches 68; Conservative 49; Mismatches 99; Indels 37; Gaps 11;

Qy 14 QSKPLLELYVKASGIDARRIGADLFCQEFMWELVALYBIGVARVEKTVNV--NSEAFKK 71
Db 27 EEQPOVELFVKA-GSDGAKIGNCPFSQRLFWLWK---GVT-FNVTVDTKRTETVQK 81
Qy 72 NFLGAQPPIMIEBEKELTYTDNREIEGRIFHLAKEFNVPLFEK-----DPSAEKRIENLYR 127
Db 82 LCPGGQLPFLYGTE--VHTDTNKIEE---FLEAVLCPPRYPKLAALNPESNTAGLDIFA 136
Qy 128 NFKLFLR-----AKVEFDKKGKPSRVED-----LPAQIKVHNVRCVCEQLSNIDQLLSE 176
Db 137 KFSAYIKNSPALNDNLEKGLLKALKVLDNYLTSPLPEEV-----DETSAEDEGVQS 188
Qy 177 RKSRYLLGNSMTEYDCELMPRLHRIIGLSLLGFDIPHNFTHLWAYILTYRTAAFIYES 236
Db 189 RK--FLDGNELTLADCNLLPKLHIVQVCKYRGFTIPEAFRGVHRYLSNAYAREEF 246
Qy 237 CPADQDIHHYKE 249
Db 247 CPDDEIEELAYEQ 259

RESULT 9
US-08-781-560-1
; Sequence 1, Application US/08781560
; Patent No. 5854411
; GENERAL INFORMATION:
; APPLICANT: Goli, Surya K.
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: NOVEL HUMAN CHLORIDE CHANNEL
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,560
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0190 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PLACNOT 02
; CLONE: 1304776
US-08-781-560-1

Query Match      12.3%; Score 186; DB 1; Length 437;
Best Local Similarity 26.0%; Pred. No. 6e-11;
Matches 68; Conservative 45; Mismatches 95; Indels 54; Gaps 14;
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Qy 65 NSEAFKQNFGLGAQPPIMIEEBKUTY-----TDNREIEGRIFHIAKEFNVPLPEKDP--S 117
Db 249 HNLA-----PGTHPPF-----LTFNGDVKTVDNKIE-----BFLBETLTP--EKYPRLA 290
Qy 118 AEKRIEN-----LYRNFKLPUR-----AKVEFDKG--KKEPSRVED-----LPAQIKVHYN 161
Db 291 AKHRESNTAGIDIFVKFSAYIKNTKQOANAALERGLTKALKKDDYINTLPEIDA--- 347
Qy 162 RVCEQLSNIDQLLSERKSYILLGNSMTYDCELMPLRHIIIGLSLLGDPIDPHNFTHLW 221
Db 348 ----DTRGDEKGSRRK--FLDGDDELTLADCNLLPKLHVVKYIVAKKRYNYDFPAEMTGLW 401
Qy 222 AYILTAYRTAAFTIESCPADQDI 243
Db 402 RYLKNAYARDEFTNTCAADSEI 423

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RESULT 12

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	Query Match	12.3%	Score 186;	DB 2;	Length 437;
Best Local	Similarity	26.0%;	Pred. N. 6e-11;		
Matches	Conservative	45;	Mismatches	95;	Indels 54; Gaps 14;
Qy	8	OSNGDPQSKPILLELVXKASGIDARRIGADLFCQEFWMELY---	ALYEIGVARVEVKTWV	64	
ph	190	EGNESASASPRNTLVKKA-GIDGESIGNCPFSORLEFMIWLKGVVFNVTVDLKRKKPADL	248		

Qy	65	NSRFAKQNFQIQAQPPIMIBEEKELTY-----TDNREIEGRIFHLAKFENVPLFEDKP--S	117
Db	249	HNLA-----FQTHPPF-----LTFNGDVKTVDNKIE-----EFLSEETLTP--EKYPRLA	290
Qy	118	AEKRIEN-----LYRNEFKLFLR-----AKVEFDKG-KKEPSRVED-----LPAQIKVHVYN	161
Db	291	AKHRESNTAGIDIFVKEISAYIKNTKQOSNAALERGLTKALKKLDLYLNTPLPEEIDA---	347
Qy	162	RVCEQLSNIQOLLSEKRSRYLLGNSMTEYDCELMPRLHHIRIIGLSLGLFDPIDPHNFTHLW	221
Db	348	-----DTRGDDEKGSERK--FLDGDDELTLADCNLLPKLHVVKIVAKKYRNYDPPAEMTGLW	401
Qy	222	AYILTAYRTAAFTIESCPADODI	243
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RESULT 13

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US-09-690-196-3
; Sequence 3, Application US/09690196
; Patent No. 6503733
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; Goli, Surva K.
; TITLE OF INVENTION: NOVEL HUMAN ANION CHANNEL
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/690,196
; FILING DATE: 16-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/792,014
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0206 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 289404
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-690-196-3

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